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Letters following the title: (E), (T), (TE), or (ET), indicate the article is experimental, theoretical or both.

Additional classification letters are:

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(M) meeting report
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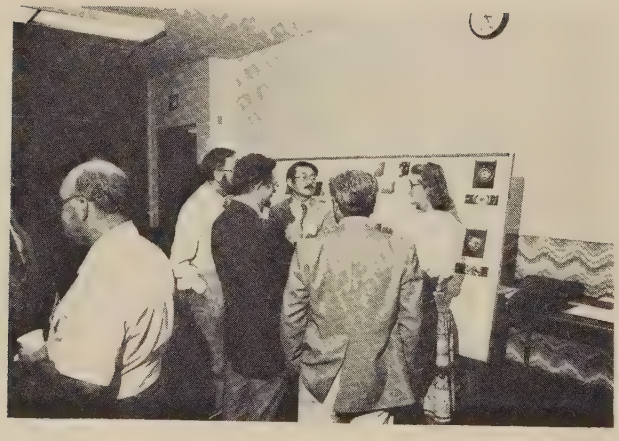

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The Optical Communication Conference to be held in September 1979 in Amsterdam is unique in that it combines the Fifth European Conference on Optical Communication (ECOC) and the Second International Conference on Integrated Optics and Optical Fiber Communication (IOOC). Earlier ECOC's were held in Genoa (1978), Munich (1977), Paris (1976) and London (1975).
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3. Integrated optics:
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Official Language

Presentation and discussion of papers will be in English. There will be no simultaneous translation at the conference.

CALL FOR PAPERS

The Los Alamos chapter of the Optical Society of America will hold a "LASL Conference on Optics '79" May 23, 24, and 25, 1979, in Los Alamos, New Mexico. The purpose of this conference is to promote communication between people in the field of Optics. E. H. Land of Polaroid Corporation will be the distinguished speaker for this event. The meeting will consist of poster sessions and invited speakers. Papers are solicited in the areas of optical design, fabrication and evaluation of optical components, lasers, laser fusion optics, detectors, fiber optics, nonlinear optics and phase conjugation, and applications of optics. To be considered, submit a 250 word summary to R. Ahrenkiel, Chrm. of the Selection Committee, LASL, E-10, MS-430, P. O. Box 1663, Los Alamos, NM 87545, (505) 667-5701 prior to February 15, 1979.

University of Reading

THIRD EUROPEAN OPTICS SUMMER SCHOOL

16-27 July 1979

Sponsored by International Commission for Optics
Course Director: H. H. Hopkins

This is a two-week course for engineers and physicists without specialist optical knowledge. It includes a wide syllabus in applied and modern optics, and Lectures will be given by the Reading optics group and visiting speakers from the U.K. and Europe. The course fee of £ 208 includes on-campus accommodation, all meals, and a bound volume of the lecture notes. Non-resident participation is also possible. A brochure and application form is available from

John Macdonald, Physics Department,
University of Reading, Whiteknights,
Reading, Berks. RG6 2AF, England.

a telescope Is

Eye am beginning to see
there is more to reality
than corporeal me
i am it
and It
is me
pervading infinite galaxies

a telescope may
permit me to see
the wondrous beauty
of Reality

filling me with awe
and blinding my soul
the Brilliance of
another black hole

searching the skies
awaiting the eternal instant
when i can close my eyes
and see the light

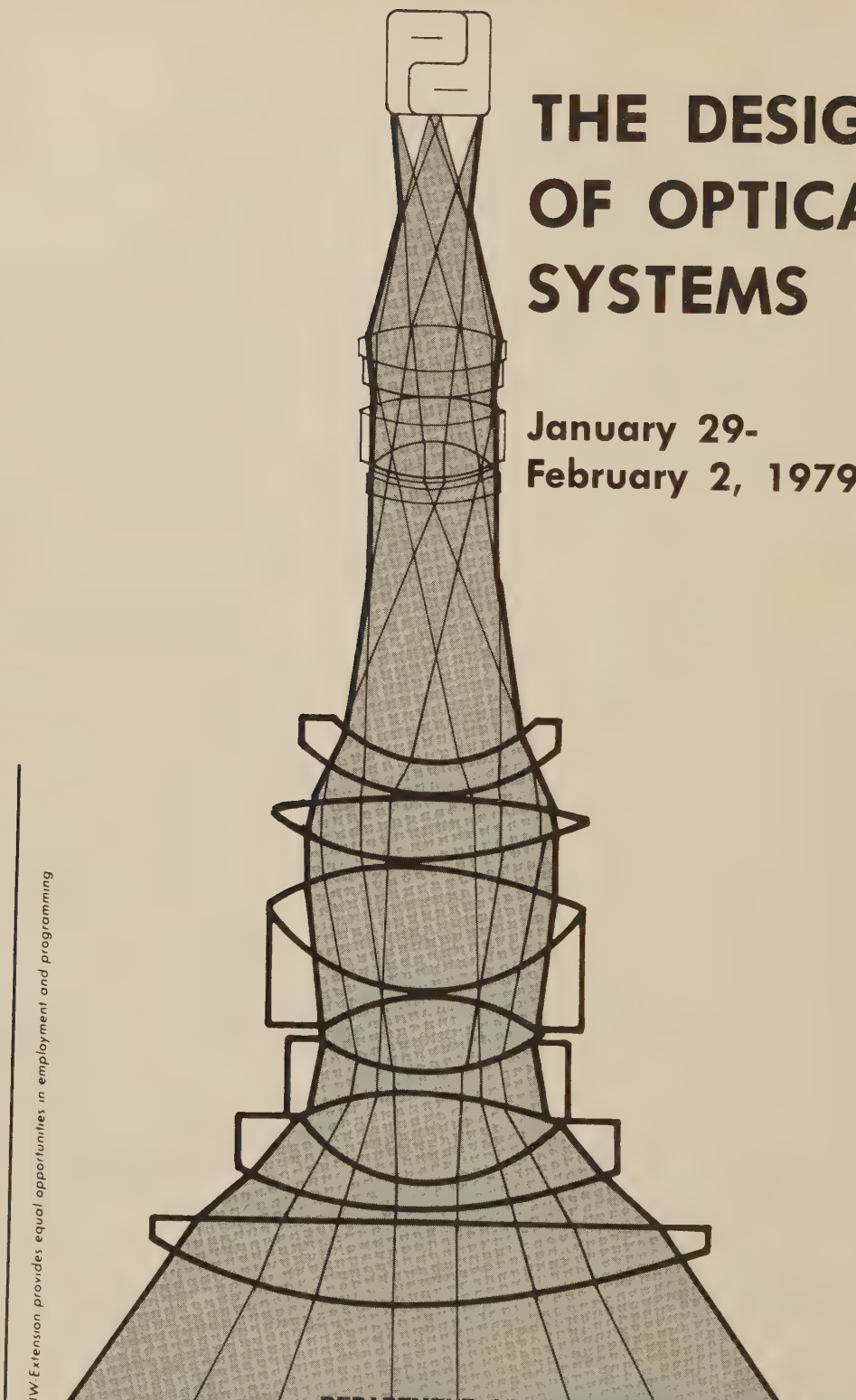
a telescope Is
the I of the soul
enabling It
to look at thee

(a thousand words could say no more)

DENNIS N. MENNERICH

THE DESIGN OF OPTICAL SYSTEMS

January 29-
February 2, 1979



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Optical Information Processing

We owe a lot to Science.
It's perpetual endowment
To us is photography;
To record scenes, events,
Real life and transmit
The pictures around the world,
To show us the other
Side of the moon.

Tools of Science are imperfect.
So we get images
With doubtful fidelity.
This drives Science
To perpetuate itself.
The result, another
Errant child-prodigy,
Optical I. Processing.
The child learns
To add, subtract,
Filter, clear and
Sharpen images.

All this and more
Is done by the eye
And the organic
Computer - brain.
It is called perception.
If we owe a lot to Science,
How much more
Do we owe Him?

B.S. RAMPRASAD

More Effective Information On Research Required

Congress and the public are increasingly concerned with the need to ensure that Federal funds are used wisely for the national benefit. This emphasized need for accountability is reflected in increasing requests for information about research grants.

Information on NSF grants is routinely available to the public at two key points in the NSF award process. One is when the award is made, at which time the project summary, based on the abstract included in the proposal, becomes a public document. This summary is the principal source of information NSF uses to respond to public, news media, and congressional inquiries about an award. Other information may be drawn from the proposal itself, as well as from responses by the program director and the principal investigator. The second key point is at the conclusion of the award, when NSF requires a short summary of results from its grantees. These summaries are compiled in an annual publication required by Congress and intended expressly to communicate the outcome of research projects to the public.

Because of the increasing importance of research information to the public, NSF requests that grantees assume greater individual responsibility for better communication with the nonscience public—specifically in preparing summaries of proposed projects and of completed research. These summaries are more effective and useful when written in a style more understandable to nonscientists and with a more direct explanation of the significance of the research.

Instructions for writing research grant summaries and information about their use may be found in NSF's brochure *Grants for Scientific Research* (NSF 78-41A), pages 60-61.

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FUTURE MEETINGS

1979

March 6-8 TOPICAL MEETING ON OPTICAL FIBER COMMUNICATION, Shoreham Hotel, Washington, D.C.

May 15-16 TOPICAL MEETING ON GRADIENT INDEX OPTICAL IMAGING SYSTEMS, University of Rochester, Rochester, New York.

May 30-June 1 CONFERENCE ON LASER ENGINEERING AND APPLICATIONS, Washington Hilton Hotel, Washington, D.C.

August 1-3 TOPICAL MEETING ON PHOTOACOUSTIC SPECTROSCOPY, Iowa State University, Ames, Iowa.

September 11-13 TOPICAL MEETING ON EXCIMER LASERS, Mills Hyatt House, Charleston, South Carolina

October 8-12 OPTICAL SOCIETY OF AMERICA NATIONAL MEETING, Genesee Plaza Holiday Inn and Americana of Rochester, Rochester, New York.

1980

February 26-28 CONFERENCE ON LASER AND ELECTRO-OPTICAL SYSTEMS, Town and Country Hotel, San Diego, California.

October 20-24 OPTICAL SOCIETY OF AMERICA NATIONAL MEETING, New Orleans, Louisiana.

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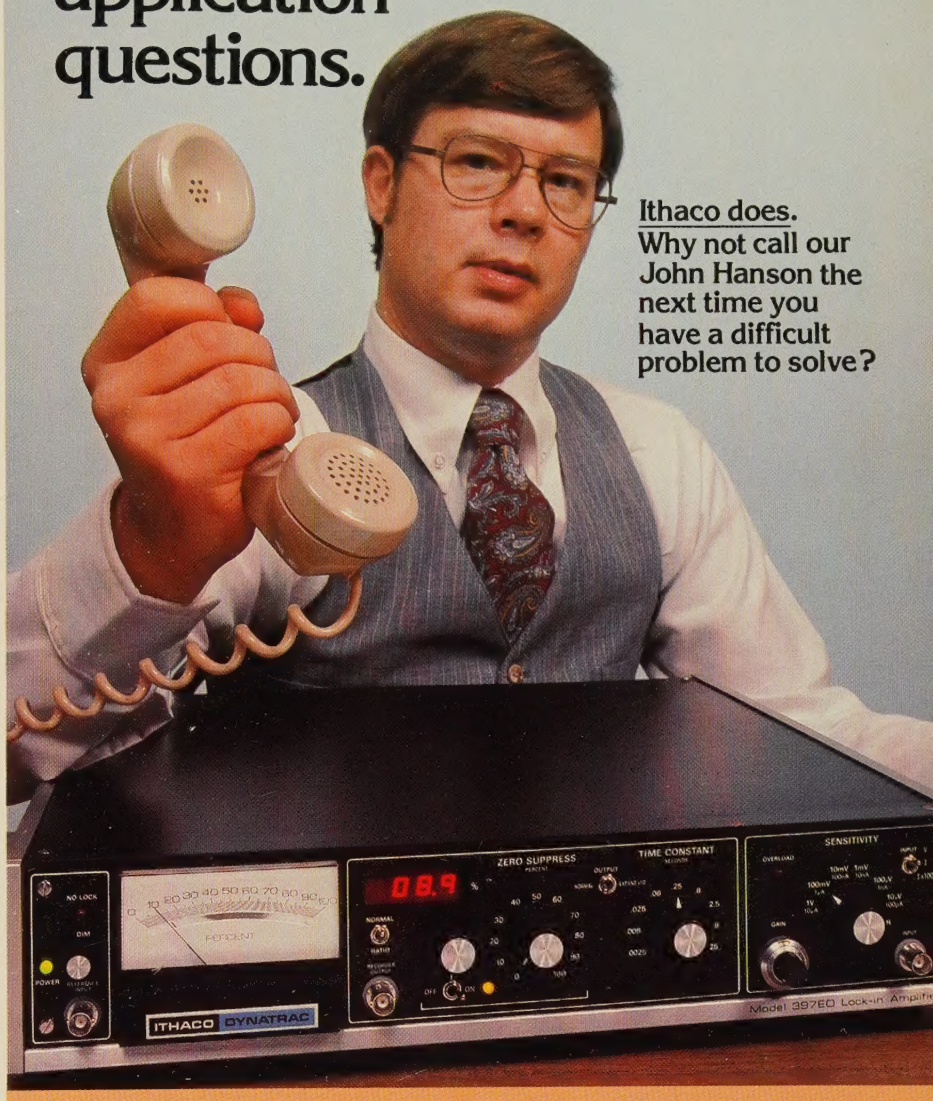

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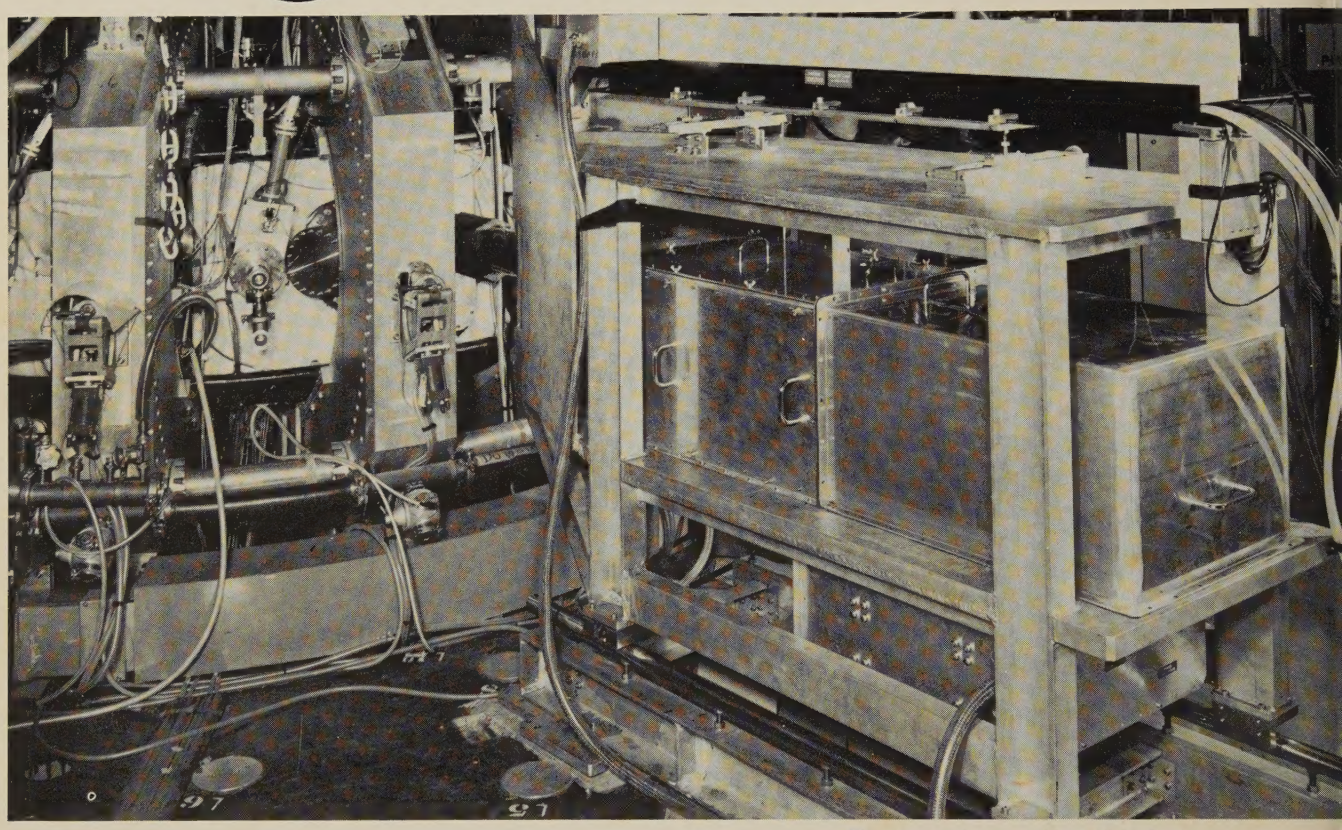
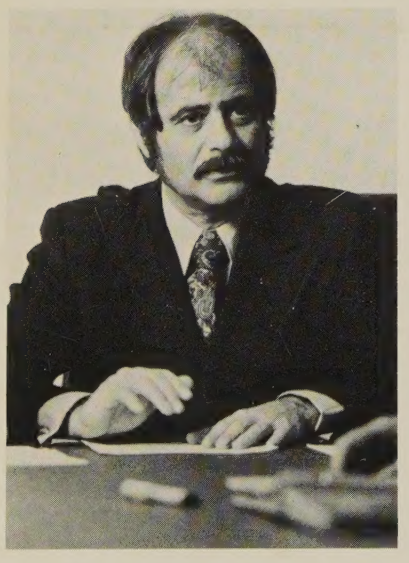


Photo courtesy of U.K.A.E.A. Culham Laboratory.

Talk to Fred Burns.



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